

References

ADEQ See Arizona Department of Environmental Quality

ADOT See Arizona Department of Transportation

ADWR See Arizona Department of Water Resources

AGFD See Arizona Game and Fish Department

Ak-Chin Indian Community. 2013. *About our Community*. <<http://www.ak-chin.nsn.us/index.php>>. Accessed July 12, 2013.

ALRIS See Arizona Land Resource Information System

American Public Transportation Association. 2009. *Quantifying Greenhouse Gas Emissions from Transit*. APTA SUDS-CC-RP-001-09, 45 pp.
<<http://www.apta.com/resources/hottopics/sustainability/Documents/Quantifying-Greenhouse-Gas-Emissions-APTA-Recommended-Practices.pdf>>.

Arizona Department of Administration, Office of Employment and Population Statistics. 2012. *Population Estimates*. <<http://www.workforce.az.gov/population-estimates.aspx>>. Accessed July 8, 2013.

_____. 2014. *2012-2050 State and County Population Projection, Medium Series*. <<http://azstats.gov/population-projections.aspx>>. Accessed February 26, 2014.

Arizona Department of Agriculture. 2013. Protected Arizona Native Plants. <<http://www.azda.gov/esd/NativePlants.aspx>>. Accessed June 27, 2013.

Arizona Department of Environmental Quality (ADEQ). 2006/2008a. Impaired Streams. (GIS Data Layer).

_____. 2006/2008b. Impaired Lakes. (GIS Data Layer).

_____. 2008. *Outstanding Arizona Waters*. <www.azdeq.gov/environ/water/permits/download/oaw.pdf>. Accessed March 3, 2014.

_____. 2010a. *Santa Cruz Watershed 2010 Assessment for Streams and Lakes*. <<http://www.azdeq.gov/environ/water/assessment/download/scw.pdf>>. Accessed August 14, 2013.

- _____. 2010b. *Middle Gila Watershed 2010 Assessment for Streams and Lakes*. <<http://www.azdeq.gov/environ/water/assessment/download/scw.pdf>>. Accessed August 14, 2013.
- _____. 2010c. *Arizona's 2010 Impaired Waters*. <http://www.azdeq.gov/environ/water/assessment/download/impaired_waters.pdf>. Accessed March 3, 2014.
- _____. 2012. *2010 Status of Water Quality, Arizona's Integrated 305(b) Assessment and 303(d) Listing Report*. Drafted by Jason Sutter, TMDL and Assessment Unit Supervisor. June. <<http://www.azdeq.gov/environ/water/assessment/assess.html>> Accessed March 10, 2014.
- _____. 2013a. *Water Quality Division: Monitoring and Assessment: Total Maximum Daily Load (TMDL) Program*. <<http://www.azdeq.gov/environ/water/assessment/tmdl.html>>. Accessed August 14, 2013.
- _____. 2013b. ADEQ_AZPDES_const (GIS Data layer).
- _____. 2013c. ADEQ_AZPDES_outf (GIS Data layer).
- _____. 2013d. Emaps. <<http://gisweb.azdeq.gov/arcgis/emaps/?topic=landfills>>. Accessed May 2013.
- Arizona Department of Transportation (ADOT). 2010. *bqAZ 2010 Statewide Rail Framework Study*. <<http://www.azdot.gov/docs/planning/rail-framework-study-final-report.pdf?sfvrsn=0>>. Accessed February 17, 2014.
- _____. 2011. *Arizona State Rail Plan*. March. <<http://www.azdot.gov/docs/planning/state-rail-plan.pdf?sfvrsn=0>>. Accessed February 17, 2014.
- _____. 2012. At-grade Crossing Data. Provided by Robert Travis, Utility and Railroad Engineering Section.
- _____. 2013. 2012 Motor Vehicle Crash Facts for the State of Arizona. Published October 28. Available at: <http://azdot.gov/docs/default-source/mvd-services/12crashfacts.pdf?sfvrsn=2>. Accessed May 12, 2015.
- Arizona Department of Transportation, Multimodal Planning Division. 2012. *Passenger Rail Corridor Study Tucson to Phoenix. Range of Alternatives Technical Memorandum*. April 4.
- _____. 2013a. *Passenger Rail Corridor Study Tucson to Phoenix. Initial Screening Report Level One Results*. Version 7.0, January 24.

- _____. 2013b. Passenger Rail Corridor Study Tucson to Phoenix. *Level 2 Screening Report*. Version 7.0, August 5.
- Arizona Department of Water Resources (ADWR). 2013. ADWR_wells (GIS Data Layer).
- _____. 2015. Land Subsidence in Arizona. <http://www.azwater.gov/AzDWR/Hydrology/Geophysics/LandSubsidenceInArizona.htm>. Accessed May 20, 2015.
- Arizona Game and Fish Department (AGFD). 1996. *Wildlife of Special Concern in Arizona*. Arizona Game and Fish Department Publication. Phoenix, Arizona. Pp: 32.
- _____. 2011. *Haliaeetus leucocephalus*. Unpublished abstract compiled and edited by the Heritage Data Management System, Arizona Game and Fish Department, Phoenix, AZ. 9 pp
- _____. 2012a. *Arizona's State Wildlife Action Plan: 2012-2022*. Phoenix, Arizona.
- _____. 2012b. *Glaucidium brasilianum cactorum* occurrences in Arizona. Unpublished map compiled and edited by the Heritage Data Management System, Arizona Game and Fish Department, Phoenix, AZ. June 13, 2012.
- _____. 2012c. *Leptonycteris curasoae yerbabuenae* occurrences in Arizona. Unpublished map compiled and edited by the Heritage Data Management System, Arizona Game and Fish Department, Phoenix, AZ. June 13, 2012.
- _____. 2012d. *Thamnophis eques megalops* occurrences in Arizona. Unpublished map compiled and edited by the Heritage Data Management System, Arizona Game and Fish Department, Phoenix, AZ. June 13, 2012.
- _____. 2012e. *Gopherus morafkai* occurrences in Arizona. Unpublished map compiled and edited by the Heritage Data Management System, Arizona Game and Fish Department, Phoenix, AZ. June 13, 2012.
- _____. 2012f. *Chionactis occipitalis klauberi* occurrences in Arizona. Unpublished map compiled and edited by the Heritage Data Management System, Arizona Game and Fish Department, Phoenix, AZ. June 13, 2012.
- _____. 2012g. *Gastrophryne olivacea* occurrences in Arizona. Unpublished map compiled and edited by the Heritage Data Management System, Arizona Game and Fish Department, Phoenix, AZ. June 13, 2012.

- _____. 2012h. *Buteo swainsoni* occurrences in Arizona. Unpublished map compiled and edited by the Heritage Data Management System, Arizona Game and Fish Department, Phoenix, AZ. June 13, 2012.
 - _____. 2012i. *Catostomus clarkii* occurrences in Arizona. Unpublished map compiled and edited by the Heritage Data Management System, Arizona Game and Fish Department, Phoenix, AZ. June 13, 2012.
 - _____. 2012j. *Myotis velifer* occurrences in Arizona. Unpublished map compiled and edited by the Heritage Data Management System, Arizona Game and Fish Department, Phoenix, AZ. June 13, 2012.
 - _____. 2012k. *Nyctinomops femorosaccus* occurrences in Arizona. Unpublished map compiled and edited by the Heritage Data Management System, Arizona Game and Fish Department, Phoenix, AZ. June 13, 2012.
 - _____. 2012L. *Lasiurus xanthinus* occurrences in Arizona. Unpublished map compiled and edited by the Heritage Data Management System, Arizona Game and Fish Department, Phoenix, AZ. June 13, 2012.
 - _____. 2012m. *Tumamoca macdougallii* occurrences in Arizona. Unpublished map compiled and edited by the Heritage Data Management System, Arizona Game and Fish Department, Phoenix, AZ. June 13, 2012.
 - _____. 2013b. *Athene cunicularia hypugaea* occurrences in Arizona. Unpublished map compiled and edited by the Heritage Data Management System, Arizona Game and Fish Department, Phoenix, AZ. January 28, 2013.
 - _____. 2013c. Arizona's On-line Environmental Review Tool. Search identification numbers: 20130705020692 through 20130705020722. <www.azgfd.gov/hgis/>. Accessed July 5 and 6, 2013.
 - _____. 2013d. Invasive Species Advisory Council <http://www.azgfd.gov/w_c/InvasiveSpeciesAdvisoryCouncil.shtml>. Accessed June 24, 2013.
- Arizona Geographic Alliance. 2014a. *A glimpse of Growth, Metropolitan Phoenix Area Population, 1900-1999*. Available at:
<http://geoalliance.asu.edu/sites/default/files/LessonFiles/Sepp/SeppGlimpseS.pdf>.
Accessed November 13, 2014.

- _____. 2014b. *Arizona's Indian Reservations*. Available at: <http://alliance.la.asu.edu/maps/AZ-RES3.PDF>. Accessed November 13, 2014.
- Arizona Geological Survey (AZGS). 1988. *Geologic Map of Arizona*.
<http://reynolds.asu.edu/azgeomap/azgeomap_home.htm>. Accessed July 23, 2013.
- _____. 1993. *Land Subsidence and Earth Fissures in Arizona*. An AZGS publication prepared by Steven Slaff. <<http://www.azgs.az.gov/HomeOwners-OCR/earthfissuresinarizona.pdf>>. Accessed July 30, 2013.
- _____. 2000. *Arizona Geology*. Vol. 30, No. 1. <http://www.azgs.az.gov/Hazards_ocr/earthquakes/Earthquake%20Hazard%20in%20AZ-2000.pdf>. Accessed August 1, 2013.
- _____. 2013. *Arizona Earthquakes*. <http://www.azgs.az.gov/hazards_earthquake-events.shtml>. Accessed July 23, 2013.
- Maricopa Association of Governments. 2009. *I-8 and I-10 Hidden Valley Transportation Framework Study*. Phoenix, Arizona.
- Arizona Herpetological Association. 2013. Saddled Leaf-Nosed Snake.
<http://www.azreptiles.com/reptiles_of_az.php?name=Phyllorhynchus_browni>. Accessed July 6, 2013.
- Arizona Land Resource Information System (ALRIS). 2013. GIS data.
- Arizona Navigable Stream Adjudication Commission (ANSAC). 2003. *Report, Findings and Determination Regarding the Navigability of Small and Minor Watercourses in Maricopa, Pima, and Pinal Counties, Arizona*.
<<http://www.ansac.az.gov/UserFiles/File/pdf/finalreports/>>. Accessed March 3, 2014.
- _____. 2012. *ANSAC Determination Final Reports*.
<http://www.ansac.az.gov/commission_reports.asp>. Accessed June 14, 2013.
- Arizona Office of Tourism. 2013. Arizona Scenic Roads. Accessed November 10, 2014.
<<http://www.arizonascenicroads.com/index.html>>.
- Arizona Public Service Company, 2014. *APS Generation, Nuclear Generating Plants, Palo Verde*. Available at:
<https://www.aps.com/en/ourcompany/generationtransmission/generation/Pages/home.aspx>. Accessed November 16, 2014.
- Arizona Rail Passenger Association. 2013. "Hattie B" Commuter Train Helps 1980 Flood Situation. <www.azrail.org/1980/195>. Accessed September 16, 2013.

- Arizona State Museum (ASM). 2014. *Links to Legal Information, State Regulations*. <http://www.statemuseum.arizona.edu/crservices/legal_links.shtml>. Accessed March 6, 2014.
- Arizona Wildlife Linkages Workgroup (AWLW). 2006. *Arizona's wildlife linkages assessment*. Arizona Department of Transportation, Phoenix, AZ, 58 pp.
- ASM See Arizona State Museum
- AZGS See Arizona Geological Survey
- Building a Quality Arizona (bqAZ). 2010. *Building a Quality Arizona: Statewide Transportation Framework Studies*. <www.bqaz.org/index.asp>. Accessed February 17, 2014.
- Cambridge Systematics. 2007. *Queen Creek Small Area Transportation Study*. May 2007. <http://azmemory.azlibrary.gov/cdm/singleitem/collection/aslcounty/id/152/rec/8#img_view_container>. Accessed June 21, 2013.
- Central Arizona Project. 2014. *CAP Background*. Available at: <http://www.cap-az.com/index.php/cap-background>. Accessed November 16, 2014.
- CEQ See Council on Environmental Quality
- Chester and Horvath. 2009. Environmental assessment of passenger transportation should include infrastructure and supply chains. *Environmental Research Letter* 4 (2009) 024008, 8pp. <<http://iopscience.iop.org/1748-9326/4/2/024008>>.
- City of Coolidge. 2012. *Comprehensive Transportation Feasibility Study*. <http://www.coolidgeaz.com/index.asp?Type=B_BASIC&SEC=%7B BBBB8D087-BE8D-4FBE-91C7-7B854D432DE6%7D>. Accessed May 2013.
- _____. 2013. *Cotton Express/Transit*. Route Map and Information. <http://www.coolidgeaz.com/index.asp?Type=B_BASIC&SEC={06686186-4AAB-496B-A66D-017F210E78A8}>. Accessed June 21, 2013.
- City of Eloy. 2011. *General Plan Update*. <http://www.elayaz.org/PDF/GENERAL_PLAN/City%20of%20Eloy%20General%20Plan%2005.09.11.pdf>. Accessed May 2013.
- City of Mesa. 2002. *General Plan*. <<http://www.mesaaz.gov/planning/PDF/GeneralPlan/MesaGeneralPlan.pdf>>. Accessed May 2013.

- City of Phoenix. 2002. *General Plan*. <<http://phoenix.gov/pdd/pz/phxgp.html>>. Accessed May 2013.
- _____. 2014. City of Phoenix Official Web Site, History page. <<http://phoenix.gov/citygovernment/facts/history/>> Accessed February 19, 2014.
- City of Tempe. 2003. *General Plan*. <<http://www.tempe.gov/index.aspx?page=2633>>. Accessed May 2013.
- _____. 2012. Railroad Quiet Zone. January.
- City of Tucson. 2001. *General Plan*. <<http://cms3.tucsonaz.gov/sites/default/files/imported/docs/generalplan.pdf>>. Accessed May 2013.
- _____. 2014. City of Tucson Web Site, *A Brief History of Tucson*. 2014. <http://www.tucsonaz.gov/history/tucson_history> Accessed February 19, 2014.
- Corps See U.S. Army Corps of Engineers
- Council on Environmental Quality (CEQ). 1997a. *Environmental Justice: Guidance under the National Environmental Policy Act*. December 10. <www.epa.gov/compliance/ej/.../ej_guidance_nepa_ceq1297.pdf>. Accessed June 13, 2013.
- _____. 1997b. *Considering Cumulative Effects Under the National Environmental Policy Act*. January.
- _____. 2014. *Revised Draft Guidance for Federal Departments and Agencies on Consideration of Greenhouse Gas Emissions and the Effects of Climate Change in NEPA Reviews; Notice*. December 24. <http://energy.gov/sites/prod/files/2014/12/f19/CEQ_Guidance_on_Greenhouse_Gas_Emissions_-_Revised_Draft_for_Public_Comment2014-30035.pdf>.
- Davis, et al. 2012. *Transportation Energy Data Book*, Edition 31, 423 pp. <<http://cta.ornl.gov/data/index.shtml>>.
- Environmental Protection Agency (EPA). 1979. 40 CFR Part 81, List of 156 Mandatory Class I Federal Areas. Source: 44 Federal Register 69124, Nov. 30, 1979. <<http://www.epa.gov/visibility/class1.html>>. Accessed May 29, 2014.

- _____. 2008a. Upper Santa Cruz & Avra Basin Sole Source Aquifer Designated Area [map]. <<http://www.epa.gov/region9/water/groundwater/ssa-pdfs/Upper-Santa-Cruz-Avra-Basin-SSA-map.pdf>>. Accessed August 9, 2013.
 - _____. 2008b. *Optional Emissions from Commuting, Business Travel and Product Transport*. Climate Leaders Greenhouse Gas Inventory Protocol Core Module Guidance, EPA430-R-08-006, May 2008, 21 pp. <http://www.epa.gov/climateleadership/documents/resources/commute_travel_product.pdf>.
 - _____. 2010. 40 CFR Parts 51 and 93, Revisions to the General Conformity Regulations. Final Rule, March 24, 2010. <<http://www.epa.gov/air/genconform/documents/20100324rule.pdf>>. Accessed May 29, 2014.
 - _____. 2012a. Water: Total Maximum Daily Loads (303d), Impaired Waters and Total Maximum Daily Loads. Available at: <http://water.epa.gov/lawsregs/lawsguidance/cwa/tmdl/overview.cfm>. Last updated March 6, 2012. Accessed November 12, 2014.
 - _____. 2012b. Water: Source Water Protection, Sole Source Aquifer protection Program. Available. at: http://water.epa.gov/infrastructure/drinkingwater/sourcewater/protection/solesource_aquifer.cfm. Last updated March 6, 2012. Accessed November 12, 2014.
 - _____. 2013a. EPA_NPDES_Outfall (GIS Data Layer).
 - _____. 2013b. EPA_NPDES_Facilities (GIS Data Layer).
 - _____. 2013c. EPA_NPDES_WWTP_Facilities (GIS Data Layer).
 - _____. 2013e. MyEnvironment. <<http://www.epa.gov/myenv/MyMap.html>>. Accessed May 2013.
 - _____. 2014. Water: Permitting (NPDES). Available at: <http://water.epa.gov/polwaste/npdes/>. Last updated September 18, 2014. Accessed November 12, 2014.
 - _____. 2015. AirData, Monitoring Values. <<http://www.epa.gov/oar/genconform/deminimis.html>>. Accessed August 2015.
- EPA See Environmental Protection Agency

- Federal Highway Administration (FHWA). 2001. *Migratory Bird Treaty Act and Executive Order 13186*. <www.fhwa.dot.gov/environment/migbird.htm>. Accessed June 24, 2013.
- _____. 2012. *Interim Guidance Update on Mobile Source Air Toxic Analysis in NEPA*. December.
- Federal Railroad Administration (FRA). 1999a. *FRA Procedures for Considering Environmental Impacts*. Federal Register, Vol. 64, No. 101, 26 May 1999, pp. 28545-28556. <<http://www.fra.dot.gov/eLib/details/L02561>>. Accessed September 4, 2013.
- _____. 1999b. *FRA Procedures for Considering Environmental Impacts*. <<http://www.fra.dot.gov/eLib/details/L02561>>. Accessed August 22, 2013.
- _____. 2012. *High-Speed Ground Transportation Noise and Vibration Impact Assessment*. Authored by Carl E. Hanson, Jason C. Ross, and David A. Towers of Harris Miller Miller & Hanson, Inc. for the U.S. Department of Transportation, Federal Railroad Administration. September.
- _____. 2013a. *High Speed Intercity Passenger Rail (HSIPR) Program – Unprecedented Investment in Rail Infrastructure* [map]. <<http://www.fra.dot.gov/Page/P0134>>. Accessed August 22, 2013.
- _____. 2013b. *Chicago to Council Bluffs-Omaha Passenger Rail System Planning Study Tier 1 Service Level Environmental Impact Statement*. May.
- _____. 2013c. *Horn Noise FAQ, What is the train horn noise model used by FRA?* <<http://www.fra.dot.gov/Page/P0599>>. Accessed July 2013.
- _____. 2014. *Southwest Multi-State Rail Planning Study*. <<https://www.fra.dot.gov/Page/P0723>>. Accessed March 3, 2015.
- Federal Railroad Administration (FRA), Office of Railroad Safety and Office of Railroad Development. 2009. *High-Speed Passenger Rail Safety Strategy*. <<http://www.fra.dot.gov/eLib/Details/L03624>>. Accessed August 22, 2013.
- Federal Transit Administration (FTA). 2006. *Transit Noise and Vibration Impact Assessment*. Authored by Carl E. Hanson, David A. Towers, and Lance D. Meister of Harris Miller Miller & Hanson, Inc. for the U.S. Department of Transportation, Federal Transit Administration. May.

- _____. 2010. *Public Transportation's Role in Responding to Climate Change*. Updated January 2010. 20 pp.
<<http://www.fta.dot.gov/documents/PublicTransportationsRoleInRespondingToClimateChange.pdf>>.
- _____. 2012. Circular FTA C 4703.1, Environmental Justice Policy Guidance for Federal Transit Administration Recipients. August 15, 2012. 66 pp.
http://www.fta.dot.gov/documents/FTA_EJ_Circular_7.14-12_FINAL.pdf. Accessed May 26, 2015.),
- _____. 2013. 49 CFR Part 611. Major Capital Investment Projects Final Rule, effective January 9, 2013. <http://www.fta.dot.gov/documents/NSFNRULE.pdf>. Accessed October 29, 2014).
- _____. 2015. "Hazardous Materials & Brownfields." <
http://www.fta.dot.gov/12347_2236.html> Accessed May 20, 2015.
- Ferguson, Joe and Tom Beal, *Arizona Star*. 2013. Newspaper article titled "Arizona's deadliest corridor for dust storms is 10 miles between Tucson and Phoenix." Published November 10. <http://azstarnet.com/news/local/arizona-s-deadliest-corridor-for-dust-storms-is-miles-between/article_bbf2aaec-3009-5a88-9937-62a6f5bb1eb3.html>. Accessed February 26, 2014.
- FHWA See Federal Highway Administration
- FRA See Federal Railroad Administration
- FTA See Federal Transit Administration
- Gila River Indian Community. 2013. *About Tribe*. <<http://www.gilariver.org/>>. Accessed July 12, 2013.
- Hanson, C.E. 2008. *High Speed Train Noise Effects on Wildlife and Domestic Livestock*. Noise and Vibration Mitigation for Rail Transportation Systems. Pg. 26-32.
<http://link.springer.com/chapter/10.1007%2F978-3-540-74893-9_4#>. Accessed July 5, 2013.
- Harris Miller Miller & Hanson, Inc. (HMMH) 2007. Federal Transit Administration Noise Impact Assessment Spreadsheet.
- Immel, Richard. 1995. "Shhh...Those Peculiar People Are Listening." *Smithsonian*. 26(1):151-160.

- Krausman, P.R., B.D. Leopold, and D.L. Scarbrough. 1986. Desert mule deer response to aircraft. *Wildl. Soc. Bull.* 14:68-70.
- Krausman, P.R., M.C. Wallace, K.L. Hayes, and D.W. DeYoung. 1998. Effects of Jet Aircraft on Mountain Sheep. *Journal of Wildlife Management* 62(4):1246-1254.
- Lima & Associates. 2008. *Coolidge-Florence Regional Transportation Plan*. February 2008.
<http://www.coolidgeaz.com/index.asp?Type=B_BASIC&SEC=%7B1D9AE967-EF6C-4077-A83D-6CB9383A819A%7D>. Accessed June 21, 2013.
- Maricopa Association of Governments and the Greater Phoenix Economic Council. 2013. *Greater Phoenix Rising. Employment Profile*.
<<http://www.greaterphoenixrising.com/insidePg-01.aspx?Item=Employment Profile>>. Accessed June 13, 2013.
- Maricopa County. 2002. *Comprehensive Plan 2020*.
<<http://www.maricopa.gov/planning/Resources/Plans/docs/pdf/Comprehensive%20Plan.pdf>>. Accessed May 2013.
- Maricopa County Flood Control District. 2013. History of Maricopa County Flooding.
<www.fcd.maricopa.gov/education/history.aspx>. Accessed September 16, 2013.
- Maricopa County, Planning and Development Department. 2013. *Maricopa County Zoning Ordinance*. July.
- National Highway Traffic Safety Administration (NHTSA). 2015. Fatality Analysis Reporting System (FARS) Encyclopedia. Available at: <http://www-fars.nhtsa.dot.gov/States/StatesCrashesAndAllVictims.aspx>. Accessed May 12, 2015.
- National Park Service. 2012. *National Natural Landmarks Program – Arizona*.
<<http://nature.nps.gov/nnl/state.cfm?State=AZ>>. Accessed March 3, 2014.
- National Safety Council. 2013. Summary statement from the 2013 edition of *Injury Facts*.
<http://www.nsc.org/news_resources/Resources/res_stats_services/Pages/FrequentlyAskedQuestions.aspx>. Accessed January 31, 2014
- National Wild and Scenic Rivers System. 2012. *National Wild and Scenic Rivers System*.
<www.rivers.gov/arizona.php>. Accessed March 3, 2014.
- Natural Resource Conservation Service (NRCS). 2013a. NRCS_Watersheds (GIS Data Layer)
_____. 2013b. NRCS_Subbasins (GIS Data Layer).

- _____. 2013c. *Web Soil Survey*. <<http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx>>. Accessed July 30, 2013.
- Nelson Nygaard Consulting Associates and Jacobs. 2009. *Pinal County Transit Feasibility Study – Existing Transit Services*. June 2009.
<<http://pinalcountyz.gov/Departments/PublicWorks/projects/Documents/Existing%20Transit%20Services-Final.pdf>>. Accessed June 21, 2013.
- NRCS See Natural Resource Conservation Service
- Nusca, Andrew. 2012. *SmartPlanet* article titled “Are you a ‘super commuter’?” published on March 4. Available at <<http://www.smartplanet.com/blog/smart-takes/are-you-a-super-commuter/>>. Accessed February 27, 2014.
- Parsons Brinckerhoff. 2013. Arizona Passenger Rail Corridor Study Intercity and Commuter Train Schedules. June.
- Pima Association of Governments. 2014. *Population Growth by Decade*.
<<http://www.pagnet.org/regionaldata/demographics/populationgrowthbydecade/tabid/123/default.aspx>> Accessed February 19, 2014.
- Pima County. 2014 – Draft Comprehensive Plan.
http://webcms.pima.gov/UserFiles/Servers/Server_6/File/Government/Pima%20Prospects/Pima%20Prospects%2060-day%20comment%20draft.pdf.
- Pima County Development Services, Planning Division. 1998. *Native Plant Preservation Manual*. Adopted June 2. <<https://library.municode.com/index.aspx?clientId=16119>>. Accessed February 20, 2014.
- Pinal County. 2009. *Comprehensive Plan*.
<<http://pinalcountyz.gov/Departments/PlanningDevelopment/ComprehensivePlanUpdate/Documents/00.Comprehensive%20Plan%202012.pdf>>. Accessed May 2013.
- _____. 2012. *Comprehensive Plan - Regional Plan Policies*.
<http://www.pimaxpress.com/Documents/planning/ComprehensivePlan/PDF/Policies_Legend/REGIONAL_PLAN_POLICIES-Jun2012.pdf>. Accessed May 2013.
- _____. 2013. Air Quality Monitoring Network.
<<http://pinalcountyz.gov/Departments/AirQuality/Pages/MonitoringNetwork.aspx>>. Accessed May 2013.

- Radle, A.L. 2007. The Effects of Noise on Wildlife: A Literature Review. Report Date: 3/2/2007. 16pp. Downloaded on 29 September 2008 from: (http://interact.uoregon.edu/MediaLit/wfae/library/articles/radle_effect_noise_wildlife.pdf)
- RBF. 2012. *Arizona State Land Department, Union Pacific Railroad Planning and Engineering Study, Infrastructure Feasibility Study*. September 24.
- Salt River Pima-Maricopa Indian Community. 2013. *About the Salt River Pima-Maricopa Indian Community*. <<http://www.srpmic-nsn.gov/>>. Accessed July 12, 2013.
- Sun Link. 2013. *Tucson Streetcar*. <<http://www.tucsonstreetcar.com/>>. Accessed June 21, 2013.
- The Arizona Republic*. 2014. *Arizona's 100 Largest Employers*. Compiled by John McLean, Russ Wiles, and *The Arizona Republic* business staff. <<http://archive.azcentral.com/business/rep100/>>. Accessed May 7, 2014.
- Tohono O'odham Nation. 2013. *Economic Development*. <<http://www.tonation-nsn.gov/default.aspx>>. Accessed July 12, 2013.
- Town of Florence. 2008. *General Plan Update*. <<http://www.florenceaz.gov/component/content/article/100-planning-and-zoning/175-general-plan?format=pdf&ml=5&mlt=system&tmpl=component>>. Accessed May 2013.
- Town of Gilbert. 2012. *General Plan*. <<http://www.gilbertaz.gov/generalplan/>>. Accessed May 2013.
- Town of Marana. 2010. *General Plan*. <<http://www.marana.com/index.aspx?NID=927>>. Accessed May 2013.
- Town of Queen Creek. 2008. *General Plan*. <<http://www.queencreek.org/departments/community-development/planning-and-zoning/general-plan-and-map>>. Accessed May 2013.
- _____. 2011. *Town Center Plan*. <<http://www.queencreek.org/home/showdocument?id=9354>>. Accessed May 2013.
- Turner, R.M. 1982. Great Basin desertscrub, in D. E. Brown, (ed.), *Biotic Communities of the American Southwest—United States and Mexico*. Desert Plants 4: 145-155.
- Turner, R. M., and D.E. Brown. 1982. Sonoran Desert Scrub. In: Desert Plants. *Biotic communities of the American Southwest United States and Mexico*. Ed. D. E. Brown.

- Union Pacific Railroad (UPRR). 2013. *Union Pacific in Arizona*. Revised April 2013.
<http://www.up.com/cs/groups/public/documents/up_pdf_nativedocs/pdf_arizona_us_guide.pdf> Accessed February 19, 2014.
- U.S. Army Corps of Engineers (Corps). 2008. *Traditional Navigable Waters (TNW) Decisions*.
<<http://www.spl.usace.army.mil/Missions/Regulatory/JurisdictionalDetermination/TraditionalNavigableWaters.aspx>>. Accessed June 14, 2013.
- U.S. Bureau of Labor Statistics. 2013. *Inflation Calculator*.
<http://www.bls.gov/data/inflation_calculator.htm>. Accessed June 13, 2013.
- U.S. Bureau of Reclamation (USBR). 2013. *Bureau of Reclamation Regions, Area Boundaries, and Selected Dams*. <[http://www.usbr.gov/library/BORregions_dams11x17size20110201%20\(2\).pdf](http://www.usbr.gov/library/BORregions_dams11x17size20110201%20(2).pdf)>. Accessed August 15, 2013.
- U.S. Census Bureau. 1970. *Total Population*.
<<http://www.census.gov/prod/www/decennial.html>>. Accessed June 13, 2013.
- _____. 1980. *Total Population*. <<http://www.census.gov/prod/www/decennial.html>>. Accessed June 13, 2013.
- _____. 1990. *Total Population*. <<http://www.census.gov/prod/www/decennial.html>>. Accessed June 13, 2013.
- _____. 1995. *Arizona, Population of Counties by Decennial Census: 1900 to 1990*. Prepared March 27, 1995. Available at:
<http://www.census.gov/population/cencounts/az190090.txt>. Accessed November 13, 2014.
- _____. 2000. *Total Population*. <<http://www.census.gov/prod/www/decennial.html>>. Accessed June 13, 2013.
- _____. 2010a. *Total Population*. <<http://www.census.gov/prod/www/decennial.html>>. Accessed June 13, 2013.
- _____. 2010b. *Age by Sex*.
<<http://factfinder2.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>>. Accessed June 13, 2013.
- _____. 2010c. *Average Household Size*.
<<http://factfinder2.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>>. Accessed June 13, 2013.

- _____. 2010d. *Hispanic or Latino Origin by Race*.
<<http://factfinder2.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>>.
Accessed June 13, 2013.
- _____. 2013a. 2006-2010 American Community Survey. *Household Income*.
<<http://factfinder2.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>>.
Accessed June 13, 2013.
- _____. 2013b. 2006-2010 American Community Survey. *Median Household Income*.
<<http://factfinder2.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>>.
Accessed June 13, 2013.
- _____. 2013c. 2007-2011 American Community Survey. *Language Spoken at Home by Ability to Speak English for the Population 5 Years and Over*.
<<http://factfinder2.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>>.
Accessed June 13, 2013.
- _____. 2013d. 2007-2011 American Community Survey. *Selected Economic Characteristics*.
<<http://factfinder2.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>>.
Accessed June 13, 2013.
- _____. 2013e. 2011 American Community Survey. *Disability Characteristics*.
<<http://factfinder2.census.gov/faces/nav/jsf/pages/searchresults.xhtml?refresh=t>>.
Accessed June 13, 2013.
- USDA See U.S. Department of Agriculture
- U.S. Department of Agriculture (USDA) 2013a. Natural Resources Conservation Service. Plant profiles. *Cylindropuntia versicolor*.
<http://plants.usda.gov/java/county?state_name=Arizona&statefips=04&symbol=CYVE3>. Accessed July 6, 2013.
- _____. 2013b. Natural Resources Conservation Service. Plant profiles. *Mammillaria thornberi*.
<http://plants.usda.gov/java/county?state_name=Arizona&statefips=04&symbol=MAT H>. Accessed July 6, 2013.
- _____. 2014. *Census of Agriculture Historical Archive, Arizona*.
<http://agcensus.mannlib.cornell.edu/AgCensus/getVolumeOnePart.do?year=1987&part_id=65&number=3&title=Arizona> Accessed February 19, 2014.

- U.S. Department of Health and Human Services. 2013. *2013 Poverty Guideline*.
<<http://aspe.hhs.gov/poverty/13poverty.shtml>>. Accessed June 13, 2013.
- USDOT See U.S. Department of Transportation
- U.S. Department of Transportation, Bureau of Transportation Statistics 2014. *National Household Travel Survey*. Research Date: January 1, 2014. Data available at
<<http://www.statisticbrain.com/commute-statistics/>>. Accessed February 27, 2014.
- U.S. Department of Transportation (USDOT), Research and Innovative Technology Administration, Bureau of Transportation Statistics. 2013. *National Transportation Statistics, Table 2-42, Railroad Passenger Safety Data* (Updated July 2013).
<http://www.rita.dot.gov/bts/sites/rita.dot.gov/bts/files/publications/national_transportation_statistics/index.html>. Accessed January 30, 2014.
- USFWS See U.S. Fish and Wildlife Service
- U.S. Fish & Wildlife Service (USFWS). 1979. *Classification of Wetlands and Deepwater Habitats of the United States*, December 1979. United States Department of the Interior, Fish and Wildlife Service. Website: <http://www.fws.gov/wetlands/Documents/Classification-of-Wetlands-and-Deepwater-Habitats-of-the-United-States.pdf>. Accessed June 27, 2014.
- _____. 1988. *Endangered Species Act of 1973, as Amended through the 100th Congress*. U.S. Department of the Interior, Washington, D.C.
- _____. 2013a. Pima County Listed Species.
<<http://www.fws.gov/southwest/es/arizona/Documents/CountyLists/Pima>>. Accessed April 17, 2013.
- _____. 2013b. Pinal County Listed Species.
<<http://www.fws.gov/southwest/es/arizona/Documents/CountyLists/Pinal>>. Accessed February 5, 2013.
- _____. 2013c. Maricopa County Listed Species.
<<http://www.fws.gov/southwest/es/arizona/Documents/CountyLists/Maricopa>>. Accessed February 5, 2013.
- _____. 2013d. Wetlands (GIS Data Layer).
- USGS See U.S. Geological Survey

- U.S. Geological Survey (USGS). 2004. *Geologic Provinces of the United States: Basin and Range Province*. <<http://geomaps.wr.usgs.gov/parks/province/basinrange.html>>. Accessed July 24, 2013.
- _____. 2008. *The Geologic Timescale*. <http://vulcan.wr.usgs.gov/Glossary/geo_time_scale.html>. Accessed July 23, 2013.
- _____. 2012. *Earthquake Hazards Program, Glossary*. <<http://earthquake.usgs.gov/hazards/qfaults/glossary.php>>. Accessed July 23, 2013.
- U.S. National Archives and Records Administration. 1980. Title 49 Code of Federal Regulations, Part 229. Locomotive Safety Standards. March 31.
- _____. 1983. Title 49 Code of Federal Regulations, Part 210. Railroad Noise Emission Compliance Regulations. December 23.
- _____. 2006. Title 49 Code of Federal Regulations, Part 222. Use of Locomotive Horns at Public Highway-Rail Grade Crossings. August 17.
- Valley Metro. 2013. *Planning Your Trip*. <<http://www.valleymetro.org/>>. Accessed June 21, 2013.
- _____. 2013. *System Fact Sheet, Fiscal Year 2013*. <http://www.valleymetro.org/images/uploads/agency_transitresearch/FY_2013_Agency_Fact_Sheet.pdf>. Accessed February 27, 2014.

List of Preparers and Reviewers

This Tier 1 EIS was prepared and reviewed by numerous professionals comprising the Arizona Passenger Rail Corridor Study team.

Federal Railroad Administration

The following FRA staff was responsible for overall project management, technical direction, and review of the Tier 1 EIS.

Name	Title	Project Role/ Responsibilities
Andréa Martin	Environmental Protection Specialist	Project oversight and review
Kyle Gradinger	Transportation Industry Analyst	Project oversight and review
Michael Johnsen	Supervisory Environmental Protection Specialist	DEIS Reviewer
Christopher Van Nostrand	Regional Counsel	DEIS Reviewer

Federal Transit Administration

The following FTA staff was responsible for technical direction and review of the Tier 1 EIS.

Name	Title	Project Role/ Responsibilities
Alexander Smith	Community Planner	DEIS reviewer
Daniel Koenig	Environmental Protection Specialist	DEIS reviewer
Brian Jackson	Environmental Protection Specialist	DEIS reviewer

Federal Highway Administration

The following FHWA staff was responsible for technical direction and review of the Tier 1 EIS.

Name	Title	Project Role/ Responsibilities
Rebecca Yedlin	Environmental Coordinator	DEIS reviewer
Romare Truly	Community Planner	DEIS reviewer
Aaron Williams	Safety PDP	DEIS reviewer
Tremaine Wilson	Environmental Coordinator	DEIS reviewer
Aryan Lirange	Senior Urban Engineer	DEIS reviewer
Tom Deiterling	Project Delivery Team Leader	DEIS reviewer
Alan Hansen	Planning, Environment, Air Quality, and Realty Team Leader	DEIS reviewer

Arizona Department of Transportation

The following Arizona Department of Transportation staff was responsible for technical direction and review of the Tier 1 DEIS.

Name	Qualifications/Background	Project Role/ Responsibilities
Mike Kies	BS Civil Engineering; 25 years of experience	Project Manager Multimodal Planning Division
Thor Anderson	25 years of experience	PEL Manager Multimodal Planning Division
Carlos Lopez	BSE Civil Engineering; 7 years of experience	Deputy Project Manager Multimodal Planning Division
Ruth Greenspan	PhD Anthropology/New World Archaeology; 37 years of experience	Section 106, Cultural Resource Management Technical Reviewer
Linda Davis	BA Anthropology; 10 years of experience	Cultural Resources Reviewer Historic Preservation Team
Erin Bodine	MA Urban and Environmental Planning; BA Anthropology; 4 years of experience	Cultural Resources Reviewer Historic Preservation Team
Darcy Anderson	MS Meteorology, MS Hydrology; 25 years of experience	Air Quality, Noise and Vibration Reviewer
Ronald Tiller	PhD Plant Biology; BS Zoology; 31 years of experience	Biology Reviewer Environmental Planning Group
Julia Manfredi	MS Environmental Pollution Control; BS Environmental Science; 11 years of experience	Water Quality Section 404 Reviewer

Jacobs Engineering Group

The following Jacobs staff were responsible for directing and authoring the Environmental Impact Statement and notices, gathering data, and analyzing and reporting potential impacts of a passenger rail system on the natural, built, and social environment.

Name	Qualifications/Background	Project Role/ Responsibilities
Jack Allen	BA Recreation and Parks—Wildlife Management/Forestry; 28 years of experience	Tier 1 EIS project director
Anthony Scolaro	MUP Urban/Environmental Planning; BA English; AICP CEP; 21 years of experience	Tier 1 EIS project manager and primary author

Name	Qualifications/Background	Project Role/ Responsibilities
Beth Defend	BA Technical Journalism; 32 years of experience	Tier 1 EIS peer reviewer and author; Indirect and cumulative impact analysis
Betsi Phoebus	MEP Landscape and Ecological Planning; BA History; 14 years of experience	Tier 1 EIS QA/QC reviewer; Section 4(f) and 6(f) resources, parklands, waters of the U.S., and wetlands impact analyses
Lauren Abom	MS Environmental Education; BS Environmental Resource Science; 15 years of experience	Land use impact analysis
Jennifer Zankowski	MS Community and Regional Planning; BS Human Ecology; 9 years of experience	Socioeconomic impact analysis; environmental justice impact analysis
Jewel Touchin	BA Anthropology; 20 years of experience	Cultural resources impact analysis
Mark Chenault	PhD Anthropology; MBA; MA Anthropology; BA Anthropology; RPA; 32 years of experience	Senior reviewer, cultural resources impact analysis
Jill Harris	MEP Environmental Planning; MS Environmental Resources; BS Wildlife and Fisheries Biology; AICP; 19 years of experience	Biological resources data collection and impact analysis
Bruce Palmer	Graduate studies Biology; BS Biology; 35 years of experience	Biological resources impact analysis
James Hoyt	BS Forest Service; 22 years of experience	Energy use and climate change impact analysis
Sean Watkins	MUEP; BA Anthropology; 10 years of experience	Water quality, geology/topography /soils/ prime and unique farmland, and public health and safety impact analyses
Joe D'onofrio	MEP; BSME; 25 years of experience	Noise and vibration impact analysis; peer reviewer, air quality impact analysis
Phillip Peters	MS Biology; BA Biology; 15 years of experience	Water quality impact analysis
Dana Ragusa	BS Environmental Studies; 15 years of experience	Air quality impact analysis; hazardous materials impact analysis; peer reviewer, noise and vibration impact analysis
Diane Yates	BS Landscape Architecture; 33 years of experience	Senior reviewer, visual and aesthetic resources impact analysis

Name	Qualifications/Background	Project Role/ Responsibilities
Aliina Fowler	MURP; BS Community Development and Applied Economics; BA Political Science; 3 years of experience	Visual and aesthetic resources impact analysis
Linda St. John	8 years technical editing and desktop publishing experience	Technical editor; document formatting and quality control
Jeremiah Johnston	M. Divinity; M. Theology; BA Communications Studies; 10 years writing and editing experience	Managing editor; style manual author
Phyllis Davis	MAS-GIS; BA Geography; 8 years of experience	GIS/data collection and analysis
Srdjan Todorovic	BS Urban Planning; GIS Certificate; 3 years of experience	GIS/cartography

Parsons Brinckerhoff

The following Parsons Brinckerhoff staff were responsible for program management and oversight, alternatives analysis, and technical direction of the Arizona Passenger Rail Corridor Study.

Name	Qualifications/Background	Project Role/ Responsibilities
Steve Hogan	MS Administration; MS Transportation Engineering; BS Engineering; PE; 36 years of experience	APRCS program manager; alternatives analysis; public and agency coordination; transportation impacts; comparison of alternatives; next steps
Jennifer Love	M Urban & Environmental Planning, Transportation & Sustainability; BS Civil Engineering, Transportation; PE, AICP, LEED AP; 15 years of experience	APRCS program coordinator; alternatives analysis; public and agency coordination transportation impacts; cost analysis
Scott Pitera	M Urban Planning, Transportation; BS Urban & Regional Planning; AICP; 5 years of experience	Alternatives analysis; public and agency coordination; transportation impacts; comparison of alternatives

Central Creative

The following Central Creative staff were responsible for public outreach and media coordination for the Arizona Passenger Rail Corridor Study.

Name	Qualifications/Background	Project Role/ Responsibilities
Kristin Darr	BA Political Science and Journalism; 23 years of experience	Public and agency coordination
Amy Rosar	BS Business Administration/Finance; 8 years of experience	Public and agency coordination
Jared Sterlace	BS Business Administration/Marketing; 3 years of experience	Public and agency coordination

HDR

The following HDR staff were responsible for transportation demand modeling for the Arizona Passenger Rail Corridor Study.

Name	Qualifications/Background	Project Role/ Responsibilities
Scott Miller	M Public Administration; BS Urban Planning; 20 years of experience	Transportation impacts – modeling; alternatives analysis
Vijay Mahal	PhD Civil Engineering; M Transportation Engineering; M Civil Engineering; PE; 30 years of experience	Transportation impacts – modeling; alternatives analysis
Nicholas Karcz	BS Urban Planning; 10 years of experience	Transportation impacts – modeling; alternatives analysis

AECOM

The following AECOM staff were responsible for land use advocacy and transit planning for the Arizona Passenger Rail Corridor Study.

Name	Qualifications/Background	Project Role/ Responsibilities
John McNamara	Graduate Studies in Urban Design; B Architecture; AICP; 40 years of experience	Alternatives analysis
Vijayant Rajvanshi	MS Urban & Regional Planning; B Planning; AICP; 10 years of experience	Alternatives analysis

URS

The following URS staff were responsible for cost estimating for the Arizona Passenger Rail Corridor Study.

Name	Qualifications/Background	Project Role/ Responsibilities
Kammy Horne	MS Urban Planning; BS Environmental Planning/ NEPA Compliance and Transportation Planning; AICP; 20 years of experience	Cost analysis
Jennifer Pyne	MEP Environmental Planning; BA Politics/ NEPA Compliance and Transportation Planning; AICP; 17 years of experience	Cost analysis
John Donovan	BS Civil Engineering / Railroads and Surface Transportation; PE; 26 years of experience	Cost analysis
James Kollbaum	BS Civil Engineering /MS Civil Engineering / Traffic, Transit and Surface Transportation; PE; 18 years of experience	Cost analysis